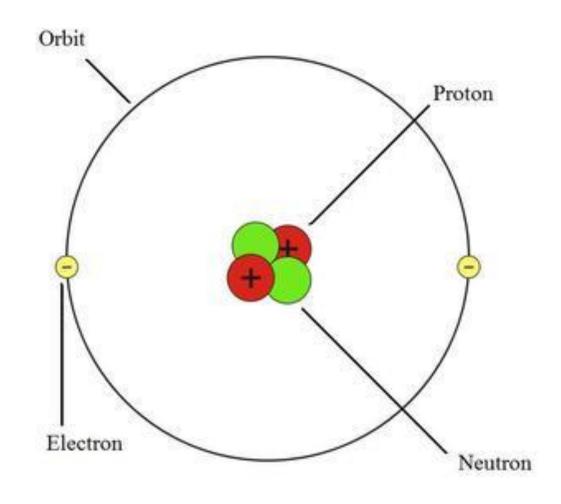
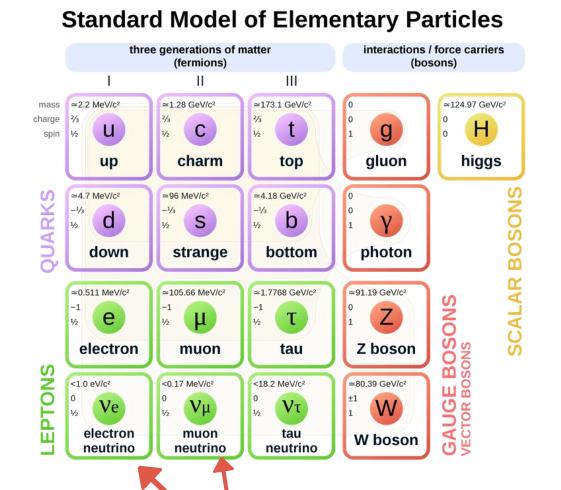
TITLE:

MiniBOONE Experiment Classification Analysis

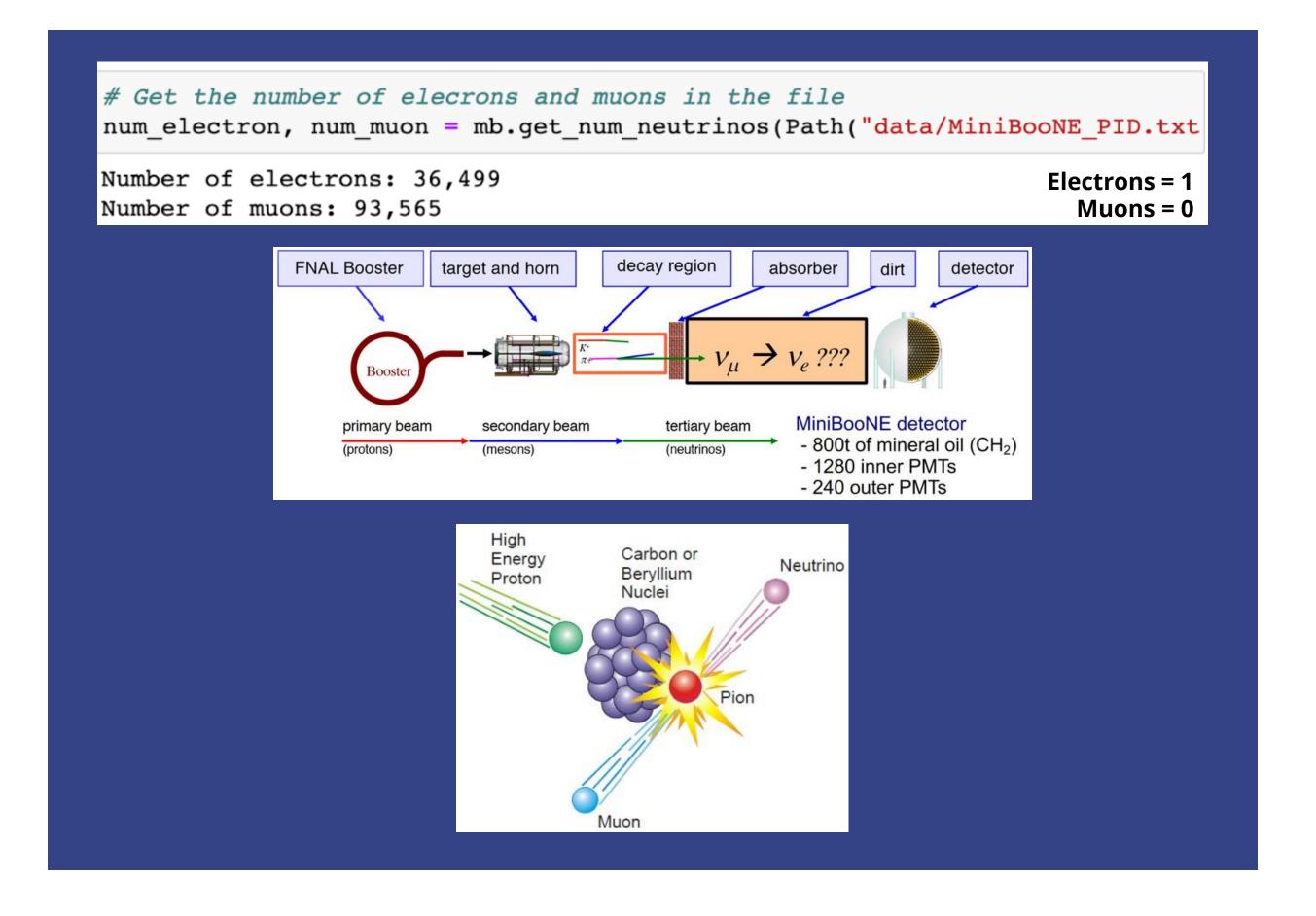




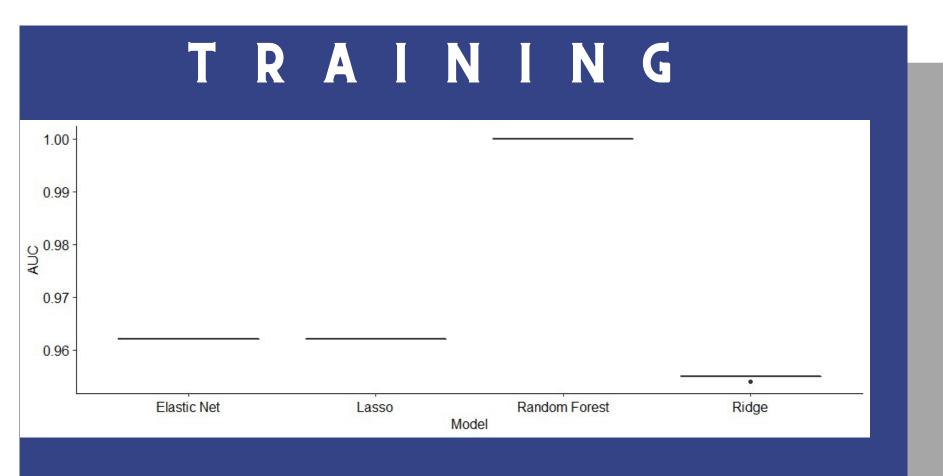
Group Members:
Allen Wu
Benita Diop

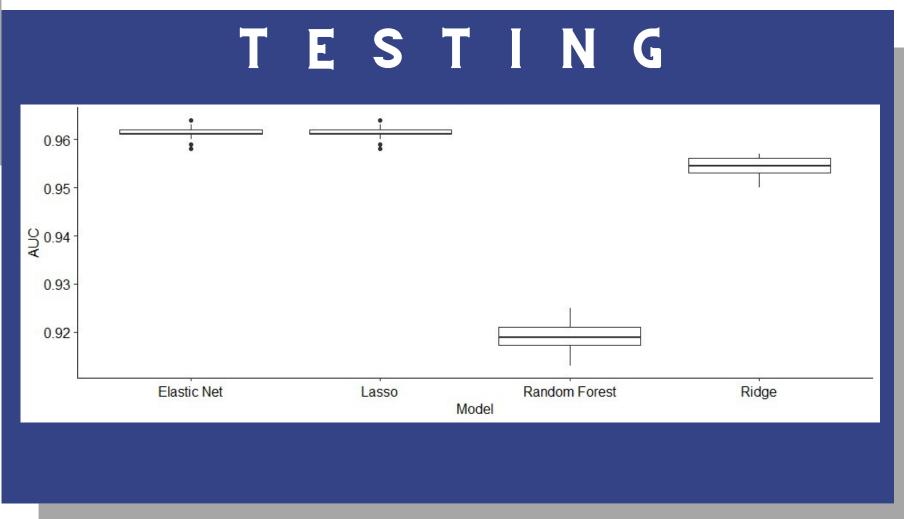
IMBALANCE RATIO= 0.39

N= 130064 || P= 50



BOX PLOT AUC





MODEL
DIAGONOSTICS
LASSO

AUC

90% C.I. **TEST AUC**

TIME (mins)

3.0

0.96

0.958 - 0.963

2.3

0.95

0.951 - 0.957

3.2

5.2

0.96

0.92

0.958 - 0.963

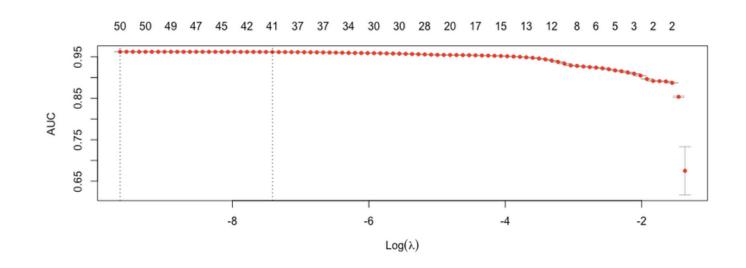
RANDOM FOREST

0.916 - 0.925

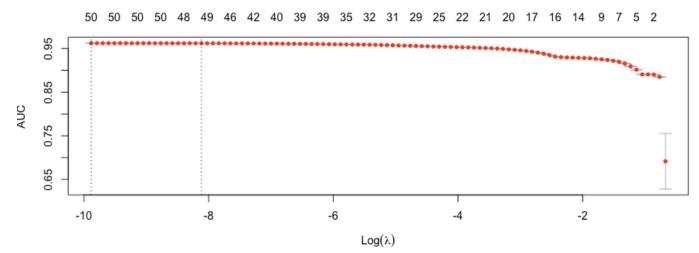
RIDGE ELASTIC NET

10-FOLD CV CURVES

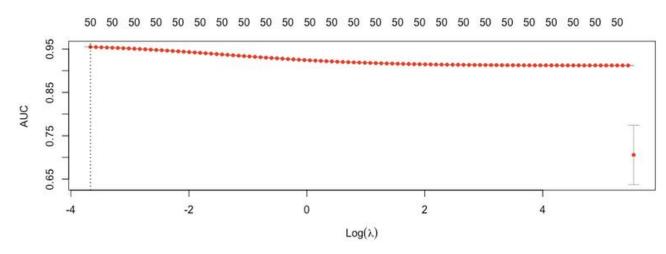
LASSO 3.0 MINS



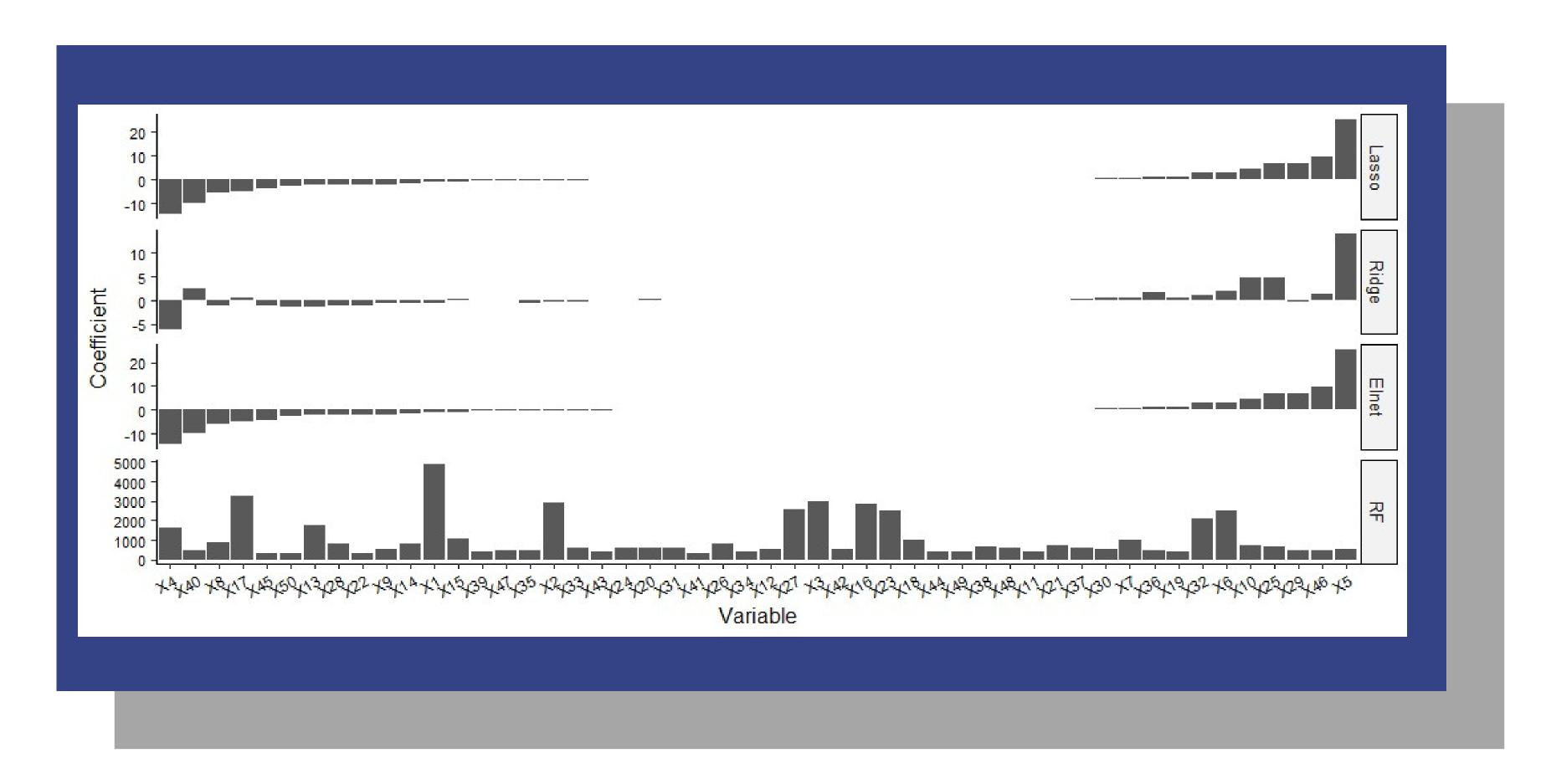
ELASTIC NET 3.2 MINS



RIDGE 2.3 MINS



BAR-PLOTS OF THE ESTIMATED COEFFICIENTS



Conclusion!